

Message

From: Giancarlo, Mary Beth [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=688488C9E6804937AB6E6F32E6DE0066-MARYBETH GIANCARLO]
Sent: 9/16/2021 11:07:11 PM
To: Ullinger, Heather [Hullinger@akronohio.gov]; Hewitt, Jim [jhewitt@gpdgroup.com]; Lascola, Matt [mlascola@gpdgroup.com]
CC: Andrae, Bill/MKE [William.Andrae@jacobs.com]; Christopher Klinkhamer (Klinkhamer.Christopher@epa.gov) [Klinkhamer.Christopher@epa.gov]
Subject: FW: Gorge Dam SAP Amendment 2_GPD response

Hi Heather, Jim and Matt – responses from Jacobs to your questions are provided below. Please let us know if you have any additional concerns. Thanks!

From: Andrae, Bill/MKE <William.Andrae@jacobs.com>
Sent: Thursday, September 16, 2021 12:45 PM
To: Giancarlo, Mary Beth <Giancarlo.Marybeth@epa.gov>; Klinkhamer, Christopher <Klinkhamer.Christopher@epa.gov>
Cc: Skwarski, Alison/DET <Alison.Skwarski@jacobs.com>; Reif, Marty/WDC <Marty.Reif@jacobs.com>
Subject: RE: Gorge Dam SAP Amendment 2_GPD response

Mary Beth and Chris – Below in red text are our responses to GPD's comments on SAP Amendment 2:

Please let us know if you have any questions.

Cheers!

Bill

Bill Andrae | Jacobs | Design Manager / Environmental Engineer
M: +01.262.366.0968 | william.andrae@jacobs.com
1610 North 2nd Street Suite 201 | Milwaukee, WI 53212 | USA

Jacobs Challenging today.
Reinventing tomorrow.

From: Giancarlo, Mary Beth <Giancarlo.Marybeth@epa.gov>
Sent: Friday, September 10, 2021 1:36 PM
To: Reif, Marty/WDC <Marty.Reif@jacobs.com>; Skwarski, Alison/DET <Alison.Skwarski@jacobs.com>; Klinkhamer, Christopher <klinkhamer.christopher@epa.gov>
Cc: Andrae, Bill/MKE <William.Andrae@jacobs.com>
Subject: [EXTERNAL] FW: Gorge Dam SAP Amendment 2_GPD response

Comments from GPD on SAP below.

From: Hewitt, Jim <jhewitt@gpdgroup.com>
Sent: Friday, September 10, 2021 9:23 AM
To: Hullinger <Hullinger@akronohio.gov>
Cc: Lascola, Matt <mlascola@gpdgroup.com>; Giancarlo, Mary Beth <Giancarlo.Marybeth@epa.gov>; Andrae, Bill/MKE <william.andrae@jacobs.com>
Subject: RE: Gorge Dam SAP Amendment 2_GPD response

Heather

Here are the responses from our geotechnical and structural team:

Geotechnical

1. We concur with the approach for parallel seismic investigation to identify sheet embedment depth. Acknowledged
2. The four (4) SPT borings added upland within the former power plant site meet the scope requirements requested by GPD. The data obtained from water-side and land-side borings adjacent to wall system will also be utilized by GPD for slope/wall stability analysis subject to post-dam pool removal. Acknowledged

Structural

1. Will testing be done to determine the thickness, profile, or steel strength of the sheet pile wall? In particular, if corrosion is discovered, material thicknesses will vary and need to be tested at various locations. Yes, Level III ultrasonic thickness measurements will be recorded at three different elevations: below the water surface, mid-depth, and near the mudline
2. Presuming that tieback anchors are discovered, what will be the approach to adjust the boring and test pit locations to avoid undermining the anchors? The purpose of the test pits are to visual inspect the integrity of the tie rods and deadman, if present. Test pit locations will be adjusted to expose these elements for inspection and test pit size and depth will be minimized to avoid impacting their performance. Upon completion, test pits will be backfilled with excavated materials. Materials will be placed in 12 inch lifts and compacted using a hydraulic "Hoe-Pack" plate compactor attached to the backhoe.
3. Presuming tieback anchors are discovered, will there be any inspection of the underground tieback anchor rods?
 - a. Will there be any testing to determine the type and nature of the potential tie back anchors? No materials testing is planned, just a visual inspection
 - b. If they are dead man anchors, will anchor sizes be determined? The size will be determined by excavating on the backside of the deadman to avoid losing bearing contact with the soil on the front side and visually determining the size.
4. Not within the current scope but relative to subsequent investigation efforts, will there be an inspection of the sheet pile wall (below the mud line) after the sediment is removed? A post-dredge inspection is not planned and is currently not in CH2M's scope of work.
5. It is our understanding that the outer sheet pile wall (shown as purple line on Figure 3) will not be investigated further. This wall is planned for removal during the dredge operation. Thus, it is our understanding that the Jacob's stability analysis of bank slope/bulkhead wall to remain will account for elimination of the outer sheet pile wall. A cursory visual inspection of the outer sheet pile wall will also be performed by the divers. The engineering evaluation of the wall will be conducted assuming the outer wall is not present.

I have copied Mary Beth and Bill on this email to expedite the process. Please let me know if you need anything else.

Have a great weekend!

Jim

From: Ullinger, Heather <HULLinger@akronohio.gov>

Sent: Friday, September 3, 2021 8:25 AM

To: Hewitt, Jim <jhewitt@gpdgroup.com>; Lascola, Matt <miascola@gpdgroup.com>

Subject: FW: [External]Gorge Dam SAP Amendment 2

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See below and attached. I would like the design team to review this.

Heather L. Ullinger, P.E.
Akron Engineering Bureau
Cell 330-256-1246

From: Klinkhamer, Christopher [<mailto:Klinkhamer.Christopher@epa.gov>]
Sent: Thursday, September 2, 2021 11:33 AM
To: Ullinger, Heather <HUllinger@akronohio.gov>
Cc: Giancarlo, Mary Beth <Giancarlo.Marybeth@epa.gov>
Subject: [External]Gorge Dam SAP Amendment 2

Hi Heather,

Attached is the Gorge Dam SAP for the fieldwork beginning September 20th. We wanted to make sure the sampling we are doing to assist the city will meet your requirements.

Can you review and let me know if you have any edits?

Thanks,
Chris

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